

CLAIMS

We claim:

Claim 1. A peelable foamy coating composition, comprising a blend of: an aqueous polyurethane dispersion resin in an effective amount of 40 to 5 90 percent by weight, and more preferably, 70 to 90 percent by weight, of the total weight percent of the composition;

an effective amount of a release agent in an amount of from between 0.1 and 10 percent of the total weight percent of the composition, said release agent being selected from the group consisting of soy lecithin, organosilicone fluids, nonylphenoxy poly- (ethyleneoxy)ethanol, oleic acid polyethylene glycol monostearate, petrolatum, sodium alkyl benzene, sulfonates, siloxanes, polyglycols, silicone surfactants, polyvinyl alcohol resins, paraffin and polymeric waxes, and synthetic waxes including low molecular weight polyethylene waxes, and combinations thereof;

15 a surfactant profoamer in an effective amount of from between 0.1 to 10 percent by weight selected from the group consisting of polydimethylsiloxane, alkanolamides, silicone glycols, alkyl benzene sulfonates, alcohol ethoxylated, phosphate esters, oleates, betaines, alkylphenol ether sulfates, alkylaryl sulfonates, fatty acids, soy lecithin, anionic, cationic, amphoteric, or nonionic surfactants, and combinations thereof;

20 an effective amount of said propellant up to 25 percent by weight; a hydrocarbon propellant consisting of the blend of propane/isobutane/butane in an effective amount of up to 30 percent by weight.

Claim 2. The peelable coating of claim 1 including an additional amount of a carrier for dilution selected from the group consisting of an aqueous carrier, a alcohol solvent carrier, or combination thereof.

Claim 3. A blended peelable foam coating composition comprising:
an aqueous polyurethane dispersion resin in an effective amount of from
20 to 90 percent by weight, of the total weight percent of the composition;

5 a pigment in an amount of up to 10 percent by weight;

a release agent in an amount of from between 0.1 and 10 percent and more
preferably, from 1 to 5 percent of the total weight percent of the composition, said release
agent being selected from the group consisting of soy lecithin, organosilicone fluids,
nonylphenoxy poly-(ethyleneoxy)ethanol, oleic acid polyethylene glycol monostearate,
petrolatum, sodium alkyl benzene, sulfonates, siloxanes, polyglycols, silicone surfactants,
polyvinyl alcohol resins, paraffin and polymeric waxes, and synthetic waxes including
10 low molecular weight polyethylene waxes, and combination thereof;

15 a surfactant profoamer in the effective amount of from 0.1 to 10 percent
by weight, and more preferably, from 0.5 to 5 percent by weight, of the total composition;

a propellant in an effective amount of up to 30 percent selected from the
15 group consisting of air, a carbon dioxide, nitrogen, and a hydrocarbon propellant.

Claim 4. The peelable foam composition of claim 3, wherein said aqueous
polyurethane dispersion resin contains up to 30 percent by weight of solids.

Claim 5. The peelable foam composition of claim 3 wherein said aqueous
polyurethane dispersion resin contains up to 40 percent by weight of solids.

20 Claim 6. The peelable foam composition of claim 3 wherein said aqueous
polyurethane dispersion contains up to 55 percent by weight of solids.

Claim 7. The peelable foam composition of claim 3 wherein said release
agent is soy lecithin.